

WO 00/76455

SEQUENCE LISTING

<110> Thorner, Michael O
Gaylinn, Bruce D
Toogood, Andrew A
Harvey, Steve

<120> Chicken Growth Hormone Releasing Hormone Receptor

<130> 00404-02

<140>

<141>

<150> 60/138,768

<151> 1999-06-12

<150> 60/176,387

<151> 2000-01-14

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 138

<212> DNA

<213> Gallus gallus

<400> 1

cacgcccgtatggatcttcagcaaaggctacagaaaactcc tggggccagctgtccgcagg 60
aaataacctgcactccctgatggccaagcgggtcgccgg 120
gaggcggAACcgctcagc 138

<210> 2

<211> 46

<212> PRT

<213> Gallus gallus

<400> 2

His Ala Asp Gly Ile Phe Ser Lys Ala Tyr Arg Lys Leu Leu Gly Gln

1 5 10 15

Leu Ser Ala Arg Lys Tyr Leu His Ser Leu Met Ala Lys Arg Val Gly

20

25

30

Gly Ala Ser Ser Gly Leu Gly Asp Glu Ala Glu Pro Leu Ser

35

40

45

<210> 3

<211> 1689

<212> DNA

<213> Gallus gallus

<400> 3

taaggaagat aaaagaatta aagtctgact ttgctttgga acacgaatcc tagcatgtca 60
taccactgtg tcctgtacac actgactctt gcggtgcttg ttgctggaa tgtccatccg 120
gaatgtgatt ttatagcaga gctgaagaaa aaggaggctg aatgcctgga gaactcagag 180
gagcatgaga atgcaacatc aggttgcaag aaaacctggg acaaattact ctgctggcca 240
gaggcagatg ctggagagac tcttcctta ccttgcctt acatcctctt tcacttcatg 300
gaagaaccag ctggatagt aagaagaaaac tgcacaaaaga aaggctggtc agagccattc 360
ccttcctatc acattgcttgc tccagttgaa gatgagattc cacttgaaga acaatcctac 420
ttttctacga taaagatcat atataccgtt ggatacagtt tgtcttattac ctcactcatt 480
attgctgtga cagtttttat ggcattcagg aggttacgct gccccagaaa ttacatccac 540
atacagcttct tttttacttt catcttaaag gctattgcca ttttcataaa ggattctgtc 600
cttttccaag aggaagacat tgaccattgc agctttcta caactgaatg caagatctca 660
gttgtttct gtcactactt catgtatgacc aatttcatat ggctgcttgtt agaggccctt 720
taccttaact gtctactact ctcatccctt tctcatggaa gaagatattt ctgggtggctg 780
gttcttttg gctgggttt tccaacactt ttcaccttta tatgggtatt agcaaaaattc 840
tactttgaag acacagcatg ctgggatatt aatcaagact ctccttactg gtggctaatc 900
aaagggccta ttgttaatttc tggtgggtc aattttgtct tatttatcaa catcatcaga 960
attttgcgtga aaaaactaga tccttagacaa atcaacttca ataactcatc tcagtacaga 1020
cgccctctcaa ggtcaactct gcttctaatt ccattatttg gaaccatata tattgtcttc 1080
aacttccttc cgaaatatac cagccttggc attcggcttt atttagagct ctgcattgga 1140
tcttttcagg ggtttattgt agcactcctc tactgtttcc tgaaccaaga ggtgcaaacg 1200
gaaataggc gtagatggca cggtaagaga tatggactta tgccagttt gagaaggaca 1260
agatggactg tgccaaaccag ttctggagta aaaatgaata catctgtgtc ctaaagacaa 1320
cctccgaatc tggagtaatc acaataataa gcctggtag ggaaaacaaa caacaacaga 1380
aaatccttaa caatgacagt ttactgagag caaattggag gaaaattct gcagaaattc 1440
tgcccaccag ctatctcttgc ctttacaagt gctgaagtga tggattgact gactgtccga 1500
ttaaaatcgc ctttcatgg gctattacaa cacagcaaat gcagatatttgc cctcttttc 1560
atcccctgtc catactctct tactaatgaa ctgtatagca taatgtgtca gggagtgccc 1620
accaggagca cccttcagtg acaccataga tcgccagctc tggaaatgaa tactcagtct 1680
tcacacaga

1689

<210> 4

<211> 419

<212> PRT

<213> Gallus gallus

<400> 4

Met Ser Tyr His Cys Val Leu Tyr Thr Leu Thr Leu Ala Val Leu Val

1 5 10 15

Ala Gly Asn Val His Pro Glu Cys Asp Phe Ile Ala Glu Leu Lys Lys

20 25 30

Lys Glu Ala Glu Cys Leu Glu Asn Ser Glu Glu His Glu Asn Ala Thr

35 40 45

Ser Gly Cys Lys Lys Thr Trp Asp Lys Leu Leu Cys Trp Pro Glu Ala

50 55 60

Asp Ala Gly Glu Thr Leu Ala Leu Pro Cys Pro Asp Ile Leu Phe His

65 70 75 80

Phe Met Glu Glu Pro Ala Gly Ile Val Arg Arg Asn Cys Thr Lys Lys

85 90 95

Gly Trp Ser Glu Pro Phe Pro Ser Tyr His Ile Ala Cys Pro Val Glu

100 105 110

Asp Glu Ile Pro Leu Glu Glu Gln Ser Tyr Phe Ser Thr Ile Lys Ile

115 120 125

Ile Tyr Thr Val Gly Tyr Ser Leu Ser Ile Thr Ser Leu Ile Ile Ala

130 135 140

Val Thr Val Leu Met Ala Phe Arg Arg Leu Arg Cys Pro Arg Asn Tyr

145 150 155 160

Ile His Ile Gln Leu Phe Phe Thr Phe Ile Leu Lys Ala Ile Ala Ile

165 170 175

Phe Ile Lys Asp Ser Val Leu Phe Gln Glu Glu Asp Ile Asp His Cys

180 185 190

Ser Phe Ser Thr Thr Glu Cys Lys Ile Ser Val Val Phe Cys His Tyr

195 200 205

Phe Met Met Thr Asn Phe Ile Trp Leu Leu Val Glu Ala Leu Tyr Leu

210 215 220

Asn Cys Leu Leu Leu Ser Ser Leu Ser His Gly Arg Arg Tyr Phe Trp

225 230 235 240

Trp Leu Val Leu Phe Gly Trp Gly Phe Pro Thr Leu Phe Thr Phe Ile

245 250 255

Trp Val Leu Ala Lys Phe Tyr Phe Glu Asp Thr Ala Cys Trp Asp Ile

260 265 270

Asn Gln Asp Ser Pro Tyr Trp Trp Leu Ile Lys Gly Pro Ile Val Ile
275 280 285
Ser Val Gly Val Asn Phe Val Leu Phe Ile Asn Ile Ile Arg Ile Leu
290 295 300
Leu Lys Lys Leu Asp Pro Arg Gln Ile Asn Phe Asn Asn Ser Ser Gln
305 310 315 320
Tyr Arg Arg Leu Ser Arg Ser Thr Leu Leu Leu Ile Pro Leu Phe Gly
325 330 335
Thr His Tyr Ile Val Phe Asn Phe Leu Pro Glu Tyr Thr Ser Leu Gly
340 345 350
Ile Arg Leu Tyr Leu Glu Leu Cys Ile Gly Ser Phe Gln Gly Phe Ile
355 360 365
Val Ala Leu Leu Tyr Cys Phe Leu Asn Gln Glu Val Gln Thr Glu Ile
370 375 380
Gly Arg Arg Trp His Gly Lys Arg Tyr Gly Leu Met Pro Val Trp Arg
385 390 395 400
Arg Thr Arg Trp Thr Val Pro Thr Ser Ser Gly Val Lys Met Asn Thr
405 410 415
Ser Val Cys

<210> 5
<211> 23
<212> PRT
<213> Gallus gallus

<400> 5
Ser Lys Ala Tyr Arg Lys Leu Leu Gly Gln Leu Ser Ala Arg Leu Tyr 1
5 10 15
Leu His Ser Leu Met Ala Lys 20

<210> 6

<211> 1260

<212> DNA

<213> Gallus gallus

<400> 6

atgtcataacc actgtgtcct gtacacactg actcttgcgg tgcttgtgc tggaaatgtc 60
catccggaat gtgattttat agcagagctg aagaaaaagg aggctgaatg cctggagaac 120
tcagaggagc atgagaatgc aacatcaggt tgcaagaaaa cctgggacaa attactctgc 180
tggccagagg cagatgctgg agagactt gccttacctt gcccgacat cctctttcac 240
ttcatggaag aaccagctgg gatagtaaga agaaaactgca caaagaaagg ctggtcagag 300
ccattccctt cctatcacat tgcttgcaca gttgaagatg agattccact tgaagaacaa 360
tcctactttt ctacgataaa gatcatatat accgttaggat acagttgtc tattacctca 420
ctcatttattt ctgtgacagt tcttatggca ttcaggaggc tacgctgccc cagaaattac 480
atccacatac agctctttt tactttcatc ttaaaggcta ttgccatttt cataaaggat 540
tctgtcctt tccaagagga agacattgac cattgcagct ttctacaac tgaatgcaag 600
atctcagtg tttctgtca ctacttcatg atgaccaatt tcataatggct gctggtagag 660
gcccttacc ttaactgtct actactctca tcccttctc atggaagaag atatttctgg 720
tggctggttc tcttggctg gggtttcca acactttca cctttatatg ggtattagca 780
aaattctact ttgaagacac agcatgctgg gatattaatc aagactctcc ttactggtg 840
ctaatacaaag ggcctattgt aatttctgtt ggggtcaatt ttgtcttatt tatcaacatc 900
atcagaattt tgctgaaaaa actagatcct agacaaatca acttcaataa ctcatctcag 960
tacagacgcc tctcaaggtc aactctgctt ctaattccat tatttggAAC ccattatatt 1020
gtcttcaact tcctccgga atataccagc ctggcattc ggctttatTT agagctctgc 1080
attggatctt ttcaggggtt tattgtagca ctccctact gttcctgaa ccaagaggtg 1140
caaacggaaa taggtcggag atggcacggt aagagatatg gacttatgcc agtttggaga 1200
aggacaagat ggactgtgcc aaccagttct ggagtaaaaa tgaatacatc tgtgtgctaa 1260